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Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1. (original) A method of deflashing IC packages comprising the steps of:

directing a first laser beam in the infra-red frequency range onto flash area for removing top layer of flash; and subsequently

directing a second laser beam onto the flash are at low laser fluence and pulse number for removing the thin layer of flash remained after application of the first laser beam.

- 2. (original) A method according to claim 1, wherein the first laser is a CO_2 laser.
- 3. (original) A method according to claim 1 or claim 2 in which the first laser beam has a wavelength of approximately 1064 nm.
- 4. (currently amended) A method according to any preceding claim $\underline{1}$ in which the first laser is operated in pulses of length in excess of 1 μs .

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- 5. (original) A method according to claim 4 in which the first laser is operated in continuous wave mode.
- 6. (currently amended) A method according to any preceding claim $\underline{1}$ in which the first laser has an intensity of approximately $10\,\mathrm{kw/cm^2}$.
- 7. (currently amended) A method according to any preceding claim 1 in which the second laser is a YAG laser.
- 8. (original) A method according to claim 7 in which the second laser has a wavelength that is between ultra-violet and infra-red.
- 9. (original) A method according to claim 8 in which the second laser has a wavelength of approximately 532 nm or 1064 nm.
- 10. (currently amended) A method according to any preceding claim $\underline{1}$ in which the second laser is operated in pulses.
- 11. (original) A method according to claim 10 in which the pulse duration is between one fs and 1000 ns.

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- 12. (original) A method according to claim 11 in which the pulses are of duration not greater than 100 ns.
- 13. (currently amended) A method according to any preceding claim $\underline{1}$ in which the second laser has a fluence of less than 1000 mJ/cm².
- 14. (original) A method according to claim 13 in which the second laser has a fluence of approximately 300 mJ/cm².
- 15. (withdrawn) An apparatus for deflashing IC packages comprising:
 - a. a conveyor system for carrying IC packages to appropriate position;
 - b. a mask placed on IC packages for exposing flash area to laser beams;
 - c. first and second lasers for generating laser beams; and
 - d. a scanning system for each laser;

wherein the conveyor is movable relative to each laser beam, the two galvanometers being used to scan respective laser beams in turn on a flash area of the IC packages.

16. (withdrawn) Apparatus according to claim 15 further comprising an exhauster for removing flash debris.

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- 17. (withdrawn) Apparatus according to claim 15 or claim 16 in which the first laser is a CO^2 laser.
- 18. (withdrawn) Apparatus according to any one of claims
 15 to 17 in which the first laser is a pulsed laser.
- 19. (withdrawn) Apparatus according to any one of claims
 15 to 17 in which the first laser is a continuous wave laser.
- 20. (withdrawn) Apparatus according to any one of claims
 15 to 19 in which the second laser is a YAG laser.
- 21. (withdrawn) Apparatus according to any one of claim 15 to 20 in which the second laser has a wavelength of 1064 nm or 532 nm.
- 22. (withdrawn) Apparatus according to any one of claims
 15 to 21 in which the second laser has predetermined pulseduration.
- 23. (withdrawn) Apparatus according to claim 22 in which the predetermined pulse duration is between 1 fs and 1000 ns.

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Claim 24 (canceled).

25. (withdrawn) An apparatus for deflashing IC packages substantially as herein described with reference to the accompanying drawings.